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(71)Applicant : BIO JISUTETSUKU:KK
BIO MEDEITETSUKU:KK

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(72)Inventor : KUWABARA KATSUHIKO
FURIAN BOBADEIJIYA
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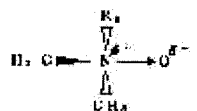
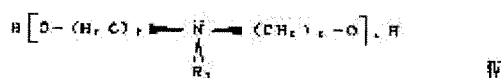
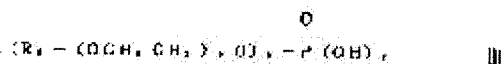
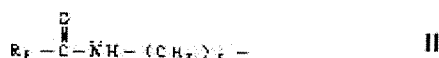
(54) ANTIBACTERIAL AGENT CONTAINING QUATERNARY AMMONIUM SALT

(57)Abstract:

PURPOSE: To obtain an antibacterial agent highly potent in germicidal/sterilizing activity, also presenting its efficacy in a short time, and long in efficacy sustaining time.

CONSTITUTION: This antibacterial agent contains several kinds of compound of formula I [R1 is a 6-18C alkyl or benzyl; R2 is H, a 1-18C alkyl, a 8-18C alkenyl or an aralkyl; R3 is a 12-22C alkyl; R4 is a 8-18C alkyl or of formula II (R5 is a 2-22C alkyl; (n) is 2 or 3); Y is an anion composed of one or three halogen atom(s)] and satisfies one or both of the following conditions: (A) the number of the molecules of the compound (where, R3 is a 16C alkyl) accounts for ≥80% of the total number of the molecules of the compound; and (B) the anions

composed of three halogen atoms accounts for ≥50% of the total anions. This antibacterial agent is additionally incorporated with at least one kind among phosphoric esters of formula III



(x and y total 3; R6 is a 3-20C organic group; (p) is 1 or 2), polyethanolamines of formula IV (z is 2-10; R7 is a 2-22C alkyl) and ammonium oxides of formula V (R8 is a 4-18C alkyl).

LEGAL STATUS

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